

## ER-2 #809 02/05/16

**Aircraft:** [ER-2 - AFRC #809](#) ([See full schedule](#))

**Flight Number:** 16-9038

**Payload Configuration:** AirMSPI-1; AVIRIS-C; SPEX

**Nav Data Collected:** Yes

**Total Flight Time:** 2.7 hours

**Comments:** The objective for flight 16-9038 was to under-fly the MISER instrument aboard the Terra Satellite over the CA Central Valley. All "lines" were covered according to plan. For AirMSPI-1, the ER-2 airspeed was held at 402 kts +/- 1 kt. The air was smooth with temperature between -57 deg to -59 deg F. Under-flight of the Terra Satellite was within 4 sec. Mike Garay from the AirMSPI team said that Tim nailed the under-pass. Tim said there were no cirrus clouds but there were persistent contrails (10-12 minutes or about 100 miles). The contrails started to fill in. These contrails would look opaque through a polarimeter. All instruments performed as expected – no issues.

**Submitted by:** Kevin Walsh on 02/05/16

### Flight Segments:

<b>From:</b>	PMD	<b>To:</b>	PMD
<b>Date:</b>	02/05/16		
<b>Flight Time:</b>	2.7 hours		
<b>Log Number:</b>	<a href="#">162022</a>	<b>PI:</b>	David Diner
<b>Funding Source:</b>	Jack Kaye - NASA - SMD - ESD Director Research and Analysis		
<b>Purpose of Flight:</b>	Science		

### Flight Hour Summary:

	152025	162022	172034
<b>Flight Hours Approved in SOFRS</b>	6		
<b>Flight Hours Previously Approved</b>		6	1.9
<b>Total Used</b>	0	4.1	0
<b>Total Remaining</b>			1.9

### 162022 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">10/30/15</a>	16-9012	Check	0.5	0.5	5.5	
<a href="#">11/02/15</a>	16-9011	Check	0.9	1.4	4.6	
<a href="#">02/05/16</a>	16-9038	Science	2.7	4.1	1.9	

**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/ER-2\\_809\\_02\\_05\\_16#comment-0](https://airbornescience.nasa.gov/flight_reports/ER-2_809_02_05_16#comment-0)

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

*Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.*